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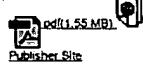
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 calculus of operations that generalizes standard **boolean** operations on shapes such as union,  
 us information about the topology of the collision **region** between the barrier and the robot (its  
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 plane to be polygons. It turns out that P forms a **Boolean** algebra. In this **Boolean** algebra, the product of  
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 that part of the plane lying outside it and its **boundary** and the sum of two polygons is the polygon  
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BOOLE: A System to Compute Boolean Combinations of.. - Krishnan, Narkhede.. (1995) (Correct) (1 citation)  
 geometry, 1995 BOOLE: A System to Compute Boolean Combinations of Sculptured Solids Shankar  
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 other. Next, we establish that if an 1 Quasi-**Boolean** because there is no 'zero' **region**. Extent  
 are not: every surface has two sides if two **regions** occupy the same part of space, they include the  
 relations (e.g. partial overlap, contact at the **boundary**) between specific spatially extended entities,  
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that each such polygon can be expressed as the **Boolean** XOR of unbounded quadrilateral stripes, where each leave node is an unbounded plane **region** and each non-leave node is a regularized XOR and solution "Given a representation of the **boundary** of a plane polygon, compute both an implicit and www.inf.uniroma3.it/research/tech-rep/inf-4-96.ps

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the first point in the context of solids algebra (**Boolean** operators) for which it is of utmost importance by Sederberg and Nishita [SN90] and defined as the **region** between two parallel lines which bounds a B'ezier fuzzy face, a fuzzy line is calculated for each **boundary** curve of the surface. A fuzzy face (figure 3) is bat710.univ-lyon1.fr/~foufou/papers\_ps/london.ps.Z

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 of two sets, interior, exterior, **boundary**, and **Boolean** connectives. The 4-intersection invariant was  
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 disjointness of two sets, interior, exterior, **boundary**, and **Boolean** connectives. The 4-intersection  
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 approach delays the com utation of the **Boolean** operations until the rendering stage. However,  
 consists of a list of all objects residing in that **region** of the world while a voxel t maintains  
 achieved b onverting the CSG-tree into a **boundary** representation (B-rep) in an extremely time -p  
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 partition. It is easy to see that L is a finite **Boolean** Algebra under the usual set operations [and  
 is, one that has the minimum number of decomposing **regions**. The existence of a minimal decomposition might  
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[Topological Operations Transparent for Users](#) - Winter (2000) (Correct)  
 language for CORBA (OMG 1999)such as: **Boolean** touches (in Geometry other)This interface of  
 model, the topological relation touch between two **regions** is defined by intersecting boundaries, with no  
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 obtained after surface **intersection** or other **boolean** operations. The problem of rendering curved  
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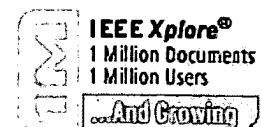


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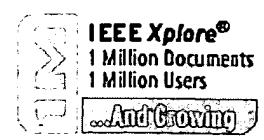


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*Kahng, A.B.; Robins, G.; Singh, A.; Zelikovsky, A.;*  
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Pages:445 - 462

[\[Abstract\]](#) [\[PDF Full-Text \(760 KB\)\]](#) IEEE JNL

## 2 The segmentation of cursive handwriting: an approach based on off-line recovery of the motor-temporal information

*Plamondon, R.; Privitera, C.M.;*  
Image Processing, IEEE Transactions on, Volume: 8, Issue: 1, Jan. 1999  
Pages:80 - 91

[\[Abstract\]](#) [\[PDF Full-Text \(268 KB\)\]](#) IEEE JNL

## 3 Efficient extra material critical area algorithms

*Allan, G.A.; Walton, A.J.;*  
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on, Volume: 18, Issue: 10, Oct. 1999  
Pages:1480 - 1486

[\[Abstract\]](#) [\[PDF Full-Text \(488 KB\)\]](#) IEEE JNL

## 4 Accessibility analysis for planning of dimensional inspection with coordinate measuring machines

*Spitz, S.N.; Spyridi, A.J.; Requicha, A.G.;*  
Robotics and Automation, IEEE Transactions on, Volume: 15, Issue: 4, Aug. 1999  
Pages:714 - 727

[\[Abstract\]](#) [\[PDF Full-Text \(656 KB\)\]](#) IEEE JNL

## 5 Anatomical model matching with fuzzy implicit surfaces for segmentation of thoracic volume scans

*Lelieveldt, B.P.F.; van der Geest, R.J.; Ramze Rezaee, M.; Bosch, J.G.; Reiber, J.H.C.;*  
Medical Imaging, IEEE Transactions on, Volume: 18, Issue: 3, March 1999  
Pages:218 - 230

---

[\[Abstract\]](#) [\[PDF Full-Text \(1072 KB\)\]](#) [IEEE JNL](#)

---

**6 IEEE standard for information technology - POSIX(R) Ada language interfaces - part 1: binding for system Application Program Interface (API) - amendment 2: protocol-independent interfaces**

IEEE Std 1003.5, 1999 Edition , 3 Dec. 1999

[\[Abstract\]](#) [\[PDF Full-Text \(4440 KB\)\]](#) [IEEE STD](#)

---

**7 An image model based on occluding object images and maximum entropy**

*Stuller, J.A.; Shah, R.;*

Image Processing, IEEE Transactions on , Volume: 7 , Issue: 9 , Sept. 1998

Pages:1300 - 1310

[\[Abstract\]](#) [\[PDF Full-Text \(800 KB\)\]](#) [IEEE JNL](#)

---

**8 On crossing minimization problem**

*Chen, H.-F.S.; Lee, D.T.;*

Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on , Volume: 17 , Issue:

5 , May 1998

Pages:406 - 418

[\[Abstract\]](#) [\[PDF Full-Text \(500 KB\)\]](#) [IEEE JNL](#)

---

**9 CARVE-a constructive algorithm for real-valued examples**

*Young, S.; Downs, T.;*

Neural Networks, IEEE Transactions on , Volume: 9 , Issue: 6 , Nov. 1998

Pages:1180 - 1190

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) [IEEE JNL](#)

---

**10 FPGA routing and routability estimation via Boolean satisfiability**

*Wood, R.G.; Rutenbar, R.A.;*

Very Large Scale Integration (VLSI) Systems, IEEE Transactions on , Volume: 6 , Issue: 2 , June 1998

Pages:222 - 231

[\[Abstract\]](#) [\[PDF Full-Text \(216 KB\)\]](#) [IEEE JNL](#)

---

**11 BRDF models to predict spectral reflectance and emissivity in the thermal infrared**

*Snyder, W.C.; Zhengming Wan;*

Geoscience and Remote Sensing, IEEE Transactions on , Volume: 36 , Issue: 1 , Jan. 1998

Pages:214 - 225

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) [IEEE JNL](#)

---

**12 Learning pattern classification-a survey**

*Kulkarni, S.R.; Lugosi, G.; Venkatesh, S.S.;*

Information Theory, IEEE Transactions on , Volume: 44 , Issue: 6 , Oct. 1998

Pages:2178 - 2206

[\[Abstract\]](#) [\[PDF Full-Text \(844 KB\)\]](#) [IEEE JNL](#)

---

**13 Information technology - telecommunications and information exchange between systems - local and metropolitan area networks - specific requirements. Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications**

IEEE Std 802.3, 1998 Edition , 28 Sept. 1998

[\[Abstract\]](#) [\[PDF Full-Text \(8216 KB\)\]](#) [IEEE STD](#)

---

**14 An adaptive neural fuzzy filter and its applications**

*Chin-Teng Lin; Chia-Feng Juang;*

Systems, Man and Cybernetics, Part B, IEEE Transactions on , Volume: 27 , Issue: 4 , Aug. 1997

Pages:635 - 656

---

[\[Abstract\]](#) [\[PDF Full-Text \(680 KB\)\]](#) [IEEE JNL](#)

**15 Optical components for WDM lightwave networks**

*Borella, M.S.; Jue, J.P.; Banerjee, D.; Ramamurthy, B.; Mukherjee, B.;*  
Proceedings of the IEEE, Volume: 85, Issue: 8, Aug. 1997  
Pages:1274 - 1307

[\[Abstract\]](#) [\[PDF Full-Text \(504 KB\)\]](#) [IEEE JNL](#)

---

**16 Morphological filters--Part I: Their set-theoretic analysis and relations to linear shift-invariant filters**

*Maragos, P.; Schafer, R.;*  
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on, Volume: 35, Issue: 8, Aug 1987  
Pages:1153 - 1169

[\[Abstract\]](#) [\[PDF Full-Text \(1936 KB\)\]](#) [IEEE JNL](#)

---

**17 Morphological filters--Part II: Their relations to median, order-statistic, and stack filters**

*Maragos, P.; Schafer, R.;*  
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on, Volume: 35, Issue: 8, Aug 1987  
Pages:1170 - 1184

[\[Abstract\]](#) [\[PDF Full-Text \(1888 KB\)\]](#) [IEEE JNL](#)

---

**18 Representation of geometric features, tolerances, and attributes in solid modelers based on constructive geometry**

*Requicha, A.; Chan, S.;*  
Robotics and Automation, IEEE Journal of [legacy, pre - 1988], Volume: 2, Issue: 3, Sep 1986  
Pages:156 - 166

[\[Abstract\]](#) [\[PDF Full-Text \(1144 KB\)\]](#) [IEEE JNL](#)

---

**19 Morphological skeleton representation and coding of binary images**

*Maragos, P.; Schafer, R.;*  
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on, Volume: 34, Issue: 5, Oct 1986  
Pages:1228 - 1244

[\[Abstract\]](#) [\[PDF Full-Text \(2048 KB\)\]](#) [IEEE JNL](#)

---

**20 Rectangular parallelepiped coding: A volumetric representation of three-dimensional objects**

*Yeon Kim; Aggarwal, J.;*  
Robotics and Automation, IEEE Journal of [legacy, pre - 1988], Volume: 2, Issue: 3, Sep 1986  
Pages:127 - 134

[\[Abstract\]](#) [\[PDF Full-Text \(736 KB\)\]](#) [IEEE JNL](#)

---

**21 Computational complexity of art gallery problems**

*Lee, D.; Lin, A.;*  
Information Theory, IEEE Transactions on, Volume: 32, Issue: 2, Mar 1986  
Pages:276 - 282

[\[Abstract\]](#) [\[PDF Full-Text \(768 KB\)\]](#) [IEEE JNL](#)

---

**22 Cutting multiply connected domains**

*Harrold, C.; Simkin, J.;*  
Magnetics, IEEE Transactions on, Volume: 21, Issue: 6, Nov 1985  
Pages:2495 - 2498

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [IEEE JNL](#)

---

**23 Some NP-hard polygon decomposition problems**

*O'Rourke, J.; Supowit, K.;*  
Information Theory, IEEE Transactions on , Volume: 29 , Issue: 2 , Mar 1983  
Pages:181 - 190

[\[Abstract\]](#) [\[PDF Full-Text \(1328 KB\)\]](#) [IEEE JNL](#)

---

**24 Mathematical models for the circuit layout problem**

*vanCleempout, W.;*  
Circuits and Systems, IEEE Transactions on , Volume: 23 , Issue: 12 , Dec 1976  
Pages:759 - 767

[\[Abstract\]](#) [\[PDF Full-Text \(1072 KB\)\]](#) [IEEE JNL](#)

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## 1 Evolving artificial neural networks

*Xin Yao*;  
Proceedings of the IEEE, Volume: 87, Issue: 9, Sept. 1999  
Pages:1423 - 1447

[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) IEEE JNL

## 2 Hybrid soft computing systems: industrial and commercial applications

*Bonissone, P.P.; Yu-To Chen; Goebel, K.; Khedkar, P.S.*;  
Proceedings of the IEEE, Volume: 87, Issue: 9, Sept. 1999  
Pages:1641 - 1667

[\[Abstract\]](#) [\[PDF Full-Text \(584 KB\)\]](#) IEEE JNL

## 3 1998 Index Proceedings Of The Ieee Vols. 84-86

Proceedings of the IEEE, Volume: 86, Issue: 12, Dec. 1998  
Pages:0\_3 - 0\_53

[\[Abstract\]](#) [\[PDF Full-Text \(752 KB\)\]](#) IEEE JNL

## 4 Short-range microwave inverse scattering techniques for image reconstruction and applications

*Pastorino, M.*;  
Instrumentation and Measurement, IEEE Transactions on, Volume: 47, Issue: 6, Dec. 1998  
Pages:1419 - 1427

[\[Abstract\]](#) [\[PDF Full-Text \(476 KB\)\]](#) IEEE JNL

## 5 Dempster-Shafer theory for sensor fusion in autonomous mobile robots

*Murphy, R.R.*;  
Robotics and Automation, IEEE Transactions on, Volume: 14, Issue: 2, April 1998  
Pages:197 - 206

[\[Abstract\]](#) [\[PDF Full-Text \(280 KB\)\]](#) IEEE JNL

## 6 Sensor fusion potential exploitation-innovative architectures and illustrative applications

*Dasarathy, B.V.;*  
Proceedings of the IEEE , Volume: 85 , Issue: 1 , Jan. 1997  
Pages:24 - 38

[\[Abstract\]](#) [\[PDF Full-Text \(268 KB\)\]](#) [IEEE JNL](#)

---

**7 1997 Index Proceedings Of The IEEE Vols. 83-85**

Proceedings of the IEEE , Volume: 85 , Issue: 12 , Dec. 1997  
Pages:1 - 47

[\[Abstract\]](#) [\[PDF Full-Text \(1884 KB\)\]](#) [IEEE JNL](#)

---

**8 Distributed detection with multiple sensors I. Fundamentals**

*Viswanathan, R.; Varshney, P.K.;*  
Proceedings of the IEEE , Volume: 85 , Issue: 1 , Jan. 1997  
Pages:54 - 63

[\[Abstract\]](#) [\[PDF Full-Text \(232 KB\)\]](#) [IEEE JNL](#)

---

**9 Database support to data fusion automation**

*Antony, R.T.;*  
Proceedings of the IEEE , Volume: 85 , Issue: 1 , Jan. 1997  
Pages:39 - 53

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [IEEE JNL](#)

---

**10 Fuzzy contextual classification of multisource remote sensing images**

*Binaghi, E.; Madella, P.; Grazia Montesano, M.; Rampini, A.;*  
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 35 , Issue: 2 , March 1997  
Pages:326 - 340

[\[Abstract\]](#) [\[PDF Full-Text \(1540 KB\)\]](#) [IEEE JNL](#)

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